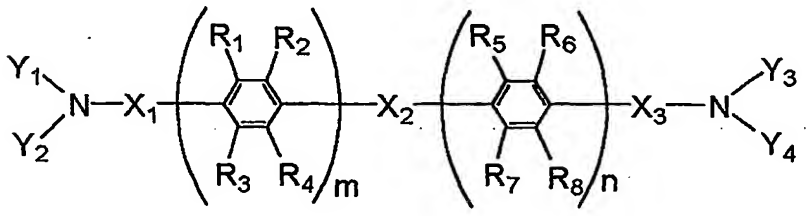
CLAIMS

1. An organic light-emitting device comprising a pair of electrodes consisting of an anode and a cathode and an organic compound-containing layer sandwiched between the pair of electrodes, wherein at least one layer of the organic compound-containing layers contains

at least one compound selected from the group consisting of compounds represented by general formula [1]:



[1]

wherein

Y_1 and Y_3 can be bonded to Y_2 and Y_4 respectively to form a ring, and X_1 and X_3 can be bonded to Y_1 and/or Y_2 and Y_3 and/or Y_4 respectively to form a ring;

X_1, X_2 and X_3 are the same or different and are each independently a direct bond or a divalent group selected from the group consisting of alkylene, aralkylene, arylene, divalent heterocyclic, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group

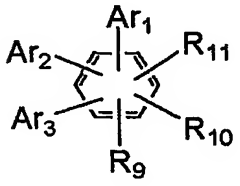
consisting of arylene or divalent heterocyclic, each having no substituent or a substituent;

Y_1 to Y_4 are the same or different and are each independently a group selected from the group consisting of alkyl, aralkyl, aryl, heterocyclic, amino, silyl, alkylene, aralkylene, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substitutent;

R_1 to R_8 are the same or different and are each independently hydrogen, halogen or a group selected from the group consisting of alkyl, aralkyl and aryl, each having no substituent or a substitutent; and

m+n is an integer from 0 to 10, and

at least one compound selected from the group consisting of compounds represented by general formula [2]:



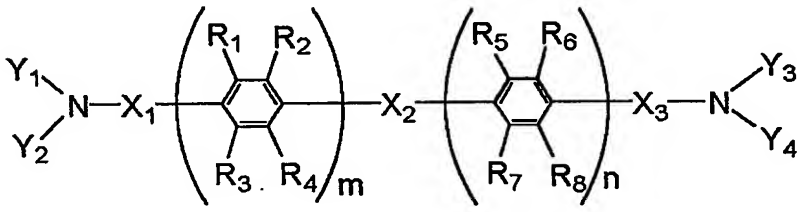
[2]

wherein Ar_1 to Ar_3 are the same or different and are each independently hydrogen or a group selected from the group consisting of aryl, heterocyclic, alkyl and

aralkyl, each having no substituent or a substituent; and R_9 to R_{11} are the same or different and are hydrogen, halogen, cyano, a substituted amino or a group selected from the group consisting of alkyl, aralkyl and amino, each having no substituent or a substituent.

2. An organic light-emitting device comprising a pair of electrodes consisting of an anode and a cathode and an organic compound-containing layers sandwiched between the pair of electrodes, wherein at least one layer of the organic compound-containing layers contains

at least one compound selected from the group consisting of compounds represented by general formula [1]:



[1]

wherein

Y_1 and Y_3 can be bonded to Y_2 and Y_4 respectively to form a ring, and X_1 and X_3 can be bonded to Y_1 and/or Y_2 and Y_3 and/or Y_4 respectively to form a ring;

X_1, X_2 and X_3 are the same or different and are

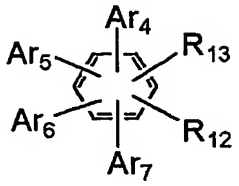
each independently a direct bond or a divalent group selected from the group consisting of alkylene, aralkylene, arylene, divalent heterocyclic, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substituent;

Y_1 to Y_4 are the same or different and are each independently a group selected from the group consisting of alkyl, aralkyl, aryl, heterocyclic, amino, silyl, alkylene, aralkylene, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substitutent;

R_1 to R_8 are the same or different and are each independently hydrogen, halogen or a group selected from the group consisting of alkyl, aralkyl and aryl, each having no substituent or a substitutent; and

m+n is an integer from 0 to 10, and

at least one compound selected from the group consisting of compounds represented by general formula [3]:

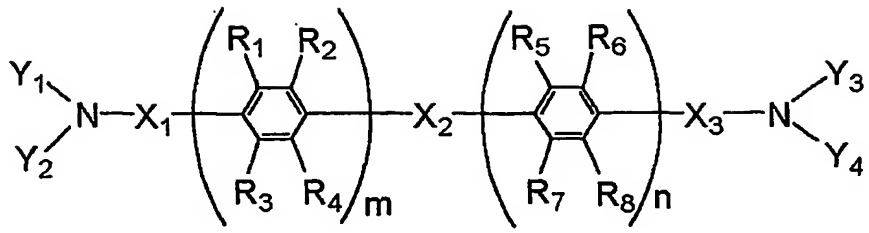


[3]

wherein Ar_4 to Ar_7 are the same or different and are each independently a group selected from the group consisting of aryl, and heterocyclic, each having no substituent or a substituent; and R_{12} and R_{13} are the same or different and are hydrogen, halogen, cyano, a substituted amino or a group selected from the group consisting of alkyl and aralkyl, each having no substituent or a substituent.

3. An organic light-emitting device comprising a pair of electrodes consisting of an anode and a cathode and an organic compound-containing layer sandwiched between the pair of electrodes, wherein at least one layer of the organic compound-containing layers contains

at least one compound selected from the group consisting of compounds represented by general formula [1]:



[1]

wherein

Y_1 and Y_3 can be bonded to Y_2 and Y_4 respectively to form a ring, and X_1 and X_3 can be bonded to Y_1 and/or Y_2 and Y_3 and/or Y_4 respectively to form a ring;

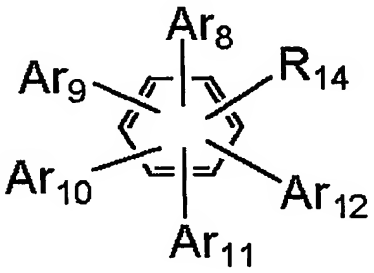
X_1, X_2 and X_3 are the same or different and are each independently a direct bond or a divalent group selected from the group consisting of alkylene, aralkylene, arylene, divalent heterocyclic, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substituent;

Y_1 to Y_4 are the same or different and are each independently a group selected from the group consisting of alkyl, aralkyl, aryl, heterocyclic, amino, silyl, alkylene, aralkylene, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or

divalent heterocyclic, each having no substituent or a substitutent;

R_1 to R_8 are the same or different and are each independently hydrogen, halogen or a group selected from the group consisting of alkyl, aralkyl and aryl, each having no substituent or a substitutent; and m+n is an integer from 0 to 10, and

at least one compound selected from the group consisting of compounds represented by general formula [4]:



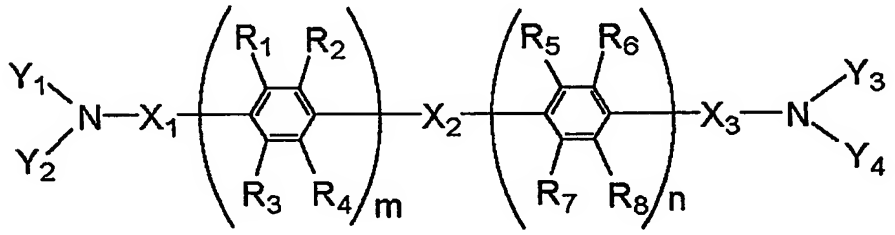
[4]

wherein Ar_8 to Ar_{12} are the same or different and are each independently a group selected from the group consisting of aryl and heterocyclic, each having no substituent or a substituent; and R_{14} is hydrogen, halogen, cyano, a substituted amino or a group selected from the group consisting of alkyl, aralkyl, aryl and heterocyclic, each having no substituent or a substituent.

4. An organic light-emitting device comprising a pair of electrodes consisting of an anode and a

cathode and an organic compound-containing layers sandwiched between the pair of electrodes, wherein at least one layer of the organic compound-containing layers contains

at least one compound selected from the group consisting of compounds represented by general formula [1]:



[1]

wherein

Y_1 and Y_3 can be bonded to Y_2 and Y_4 respectively to form a ring, and X_1 and X_3 can be bonded to Y_1 and/or Y_2 and Y_3 and/or Y_4 respectively to form a ring;

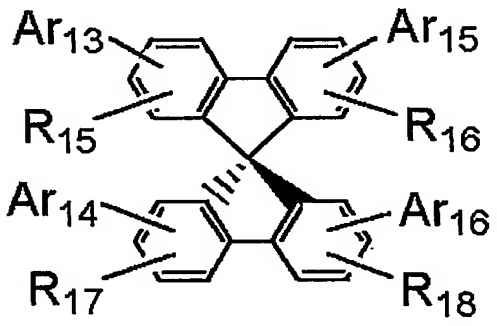
X_1, X_2 and X_3 are the same or different and are each independently a direct bond or a divalent group selected from the group consisting of alkylene, aralkylene, arylene, divalent heterocyclic, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substituent;

Y_1 to Y_4 are the same or different and are each independently a group selected from the group consisting of alkyl, aralkyl, aryl, heterocyclic, amino, silyl, alkylene, aralkylene, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substitutent;

R_1 to R_8 are the same or different and are each independently hydrogen, halogen or a group selected from the group consisting of alkyl, aralkyl and aryl, each having no substituent or a substitutent; and

m+n is an integer from 0 to 10, and

at least one compound selected from the group consisting of compounds represented by the following general formula [5]:



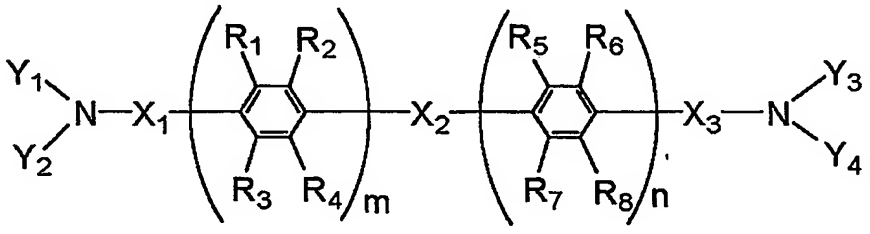
[5]

wherein Ar_{13} to Ar_{16} are the same or different and are each independently a group selected from the group consisting of aryl and heterocyclic, each having no

substituent or a substituent, and any one to three of Ar_{13} to Ar_{16} can be hydrogen or a group selected from the group consisting of alkyl and aralkyl, each having no substituent or a substituent; and R_{15} to R_{18} are the same or different and are hydrogen, halogen, cyano, a substituted amino or a group selected from the group consisting of alkyl, aralkyl, aryl and heterocyclic, each having no substituent or a substituent.

5. An organic light-emitting device comprising a pair of electrodes consisting of an anode and a cathode and an organic compound-containing layer sandwiched between the pair of electrodes, wherein at least one layer of the organic compound-containing layers contains

at least one compound selected from the group consisting of compounds represented by the following general formula [1]:



[1]

wherein

Y_1 and Y_3 can be bonded to Y_2 and Y_4 respectively to form a ring, and X_1 and X_3 can be bonded to Y_1

and/or Y_2 and Y_3 and/or Y_4 respectively to form a ring;

X_1, X_2 and X_3 are the same or different and are each independently a direct bond or a divalent group selected from the group consisting of alkylene, aralkylene, arylene, divalent heterocyclic, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substituent;

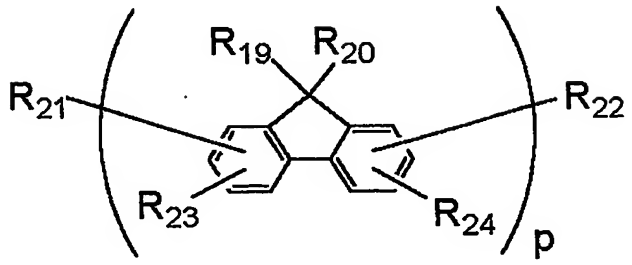
Y_1 to Y_4 are the same or different and are each independently a group selected from the group consisting of alkyl, aralkyl, aryl, heterocyclic, amino, silyl, alkylene, aralkylene, alkenylene, imino, $-SiH_2-$, silylene, carbonyl, ether and thioether, each having no substituent or a substituent which can include a linking group consisting of arylene or divalent heterocyclic, each having no substituent or a substitutent;

R_1 to R_8 are the same or different and are each independently hydrogen, halogen or a group selected from the group consisting of alkyl, aralkyl and aryl, each having no substituent or a substitutent; and

m+n is an integer from 0 to 10, and

at least one compound selected from the group consisting of compounds represented by the following

general formula [6]:



[6]

wherein R_{19} and R_{20} are the same or different and are hydrogen or a group selected from the group consisting of a alkyl, aralkyl and aryl, each having no substituent or a substituent; any pair of R_{19} combined to their respective fluorene structures are the same or different to each other; any pair of R_{20} combined to their respective fluorene structures are the same or different to each other; R_{21} to R_{24} are hydrogen, halogen, cyano, a substituted silyl or a group selected from the group consisting of alkyl, aralkyl and alkoxy, each having no substituent or a substituent; and p is an integer from 2 to 10.

6. The organic light-emitting device according to claim 1, wherein the layer containing the compounds represented by general formulas [1] and [2] is a light-emitting layer.

7. The organic light-emitting device according to claim 2, wherein the layer containing the

compounds represented by general formulas [1] and [3] is a light-emitting layer.

8. The organic light-emitting device according to claim 3, wherein the layer containing the compounds represented by general formulas [1] and [4] is a light-emitting layer.

9. The organic light-emitting device according to claim 4, wherein the layer containing the compounds represented by general formulas [1] and [5] is a light-emitting layer.

10. The organic light-emitting device according to claim 5, wherein the layer containing the compounds represented by general formulas [1] and [6] is a light-emitting layer.